MMM	MMM	PPPPPPPPPPP
MMM	MMM	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
MMM	MMM	PPPPPPPPPPPP
	MMMMM	PPP PPP
	 MMMMM	PPP PPP
	 MMMMM	PPP PPP
MMM	MMM	PPP PPP
MMM	MMM	PPP PPP
MMM	 MMM	PPP PPP
MMM	MMM	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
MMM	MMM	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
MMM		
	MMM	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
MMM	MMM	PPP

MM MM MMMM MMMM MMMMM MMM MM MM MM MM MM MM	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	
		\$		

MF

- MULTI-PROCESSING DATA BASE 16-SEP-1984 02:00:27 VAX/VMS Macro V04-00 MPDAT Table of contents Page 0 (1) 181 Interrupt Stack for Secondary processor

VC

Version: 10 11234567890123456789012345678901234567890

.MCALL MPDAT - MULTI-PROCESSING DATA BASE 'V04-000'

'V04-000'

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facility: Executive, Multi-processing data base Abstract: Data base of multi-processing information

Environment: MODE=Kernel

Author: Kathleen D. Morse, Creation date: 08-Jul-1981

Modified by:

KDM0020 Kathleen D. Morse 04-Oct-1982 Add a counter and error log message for the invalidate V03-005 KDM0020 loop time-out logic.

V03-004 KDM0012 Kathleen D. Morse 20-Sep-1982 Add second error log buffer.

01

```
Macro Library Calls
                                                                        Define conditional assembly parameters
                                 $CADEF
                                 SEMBDEF
                                                                        Define error message buffer header
                                 $MPSDEF
                                                                        Define secondary processsor states
                    661234566789012345677777777777
                          Equated Symbols
                          Local Data
           0000
      0000000
                                 .PSECT $$$$MPDATA,LONG,WRT
           0000
0000
0000
                                 .ALIGN LONG
           0000
           0000
                          Major pointers - Initialized by MPLOAD
           0000
           0000
                        MPS$AL_MPMBASE::
                                                                        Base VA of multiport memory registers
           0000
0004
0008
00000000
                                 .LONG
00000000
                                  . LONG
0000000
                                 .LONG
00000000
           0000
                                  LONG
                        MPS$GL_CURPCB::
           0010
                    881838456788901234567
                                                                        Secondary processor current PCB
00000000
           0010
                                  LONG
                                          SCH$GL_NULLPCB
                        MPS$GL_STATE::
           0014
                                                                        State of secondary processor Initially set to INIT state
00000005
           0014
0018
0018
0018
0018
0018
0018
0018
                                 .LONG
                                          MPS$K_INITSTATE
                                                                        1 => Idle
                                                                        2 => Drop;
                                                                                    CURPCB correct
                                                                                     (SVPCTX done)
                                                                                    (LDPCTX not yet done)
                                                                        3 => Busy:
                                                                             Execute: CURPCB correct
                                                                                     (LDPCTX done)
                                                                        5 => Init
           0018
                                                                        6 => Stop
                       MPS$GL_PRIMSKC::
                                                                        Primary processor interrupt clear
00000000
                                  LONG
                        MPS$GL_PRIMSKT::
                                                                        Primary processor interrupt trigger
00000000
                                  LONG
                        MPS$GL_SCNDMSKC::
                                                                        Secondary processor interrupt clear
00000000
                                  LONG
                        MPS$GL_SCNDMSKT::
                                                                        Secondary processor interrupt trigger
00000000
                                  LONG
                        MPS$GL_INVALID::
                                                                        Invalidate address
00000000
                   104
                                  LONG
                        MPS$GL_MPMIIR::
                   105
                                                                        MA780 interrupt request register adr
                   106
00000000
                                  LONG
                        MPS$GL_BUGCHECK::
                                                                        Indicator for bugcheck status
00000000
                                 .LONG
```

ENERGY ENERGY STREET

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```
VAX/VMS Macro V04-00 [MP.SRC]MPDAT.MAR;1
 MPDAT
                                                                                                     - MULTI-PROCESSING DATA BASE
                                                                                                                                                                                                                                                                                                                                                                                                Page
                                                                                                                                                                                                                                                                                                                                                                                                                   (1)
 Symbol table
CAS MEASURE
EMB$K LENGTH
MPS$AL_CPUTIME
MPS$AL_ERLBUF1
MPS$AL_ERLBUF2
MPS$AL_INTSTK
MPS$AL_INTSTK
MPS$AL_MPMBASE
MPS$C_INV_NACK
MPS$GL_BUGCHECK
MPS$GL_ERLBUFIND
MPS$GL_ERLBUFIND
MPS$GL_INVALID
MPS$GL_SCREQFLG
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_STATE
MPS$GL_NUCLPCB
                                                                                                       00000002
00000004
0000005C
00000004
                                                                                                  =
                                                                                                        00000000
00000030
00000010
00000044
00000038
00000028
00000026
00000074
0000003C
0000001C
0000001C
                                                                                                  =
                                                                                                                                    RRGGGGGGGGGG
                                                                                                        0000004C
00000020
00000024
00000040
00000014
00000034
                                                                                                                                    RG RG RG RG
                                                                                                       00000050
                                                                                                         00000078 RG
                                                                                                         *******
                                                                                                                                                             Psect synopsis
                                                                                                                                                                    PSECT No.
                                                                                                                                                                                                      Attributes
 PSECT name
                                                                                                      Allocation
                                                                                                                                                                                                                                                                                                                                                                            NOVEC BYTE
NOVEC BYTE
NOVEC LONG
NOVEC QUAD
NOVEC LONG
ABS .

$ABS$

$$$$MPDATA

$$$ERLBUF

$$$INTSTK
                                                                                                      00000000
                                                                                                                                                                                                       NOFIC
                                                                                                                                                                                                                               USR
                                                                                                                                                                                                                                                                                                  NOSHR NOEXE NORD
                                                                                                                                                                                                                                                                                                                                                           NOWRT
                                                                                                                                                                                                                                                  CON
                                                                                                                                                                                                                                                                    ABS
                                                                                                     0000000
000000E4
00000400
00000400
                                                                                                                                                                                                      NOPIC
NOPIC
NOPIC
                                                                                                                                                                                                                              USR
USR
USR
                                                                                                                                                                                                                                                 CON
                                                                                                                                                                                                                                                                    ABS
REL
REL
                                                                                                                                                                                                                                                                                                                            EXE
EXE
EXE
EXE
                                                                                                                                                                                                                                                                                      01
                                                                                                                                                                                                                                                                                                   NOSHR
                                                                                                                                                                                                                                                                                                                                                                  WRT
                                                                                                                                                                                                                                                                                                                                               RD
                                                                                                                                                                   02
03
                                                                                                                                                                                                                                                                                                                                               RD
                                                                                                                                                                                                                                                                                                                                                                  WRT
                                                                                                                                                                                                                                                                                                   NOSHR
                                                                                                                                                                                                                                                                                                   NOSHR
                                                                                                                                                                                                                                                                                                                                               RD
                                                                                                                                                                                                                                                                                                                                                                  WRT
                                                                                                                                                                                                                                                  CON
                                                                                                                                                                                                       NOPIC
                                                                                                                                                                                                                               USR
                                                                                                                                                                                                                                                                                                   NOSHR
                                                                                                                                                                                                                                                                                                                                               RD
                                                                                                                                                                                                                                                                                                                                                                  WRT
                                                                                                                                                    Performance indicators
                                                                                Page faults
                                                                                                                               CPU Time
                                                                                                                                                                             Elapsed Time
 Phase
                                                                                                                              00:00:00.10
00:00:00.95
00:00:02.68
00:00:00.16
00:00:00.73
00:00:00.03
                                                                                                                                                                             00:00:00.56
00:00:06.06
00:00:09.60
00:00:00.17
00:00:02.44
00:00:00.07
  Initialization
  Command processing
                                                                                                      164
 Pass 1
 Symbol table sort
 Pass 2
 Symbol table output
Psect synopsis output
```

MP

MPDAT - MULTI-PROCESSING DATA BASE 16-SEP-1984 02:00:27 VAX/VMS Macro V04-00 Page 7 VAX-11 Macro Run Statistics 5-SEP-1984 02:06:11 [MP.SRC]MPDAT.MAR;1 (1)

Cross-reference output 0 00:00:00.00 00:00:00.00 Assembler run totals 412 00:00:04.68 00:00:18.93

The working set limit was 1050 pages.
10468 bytes (21 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 168 non-local and 0 local symbols.
194 source lines were read in Pass 1, producing 18 object records in Pass 2.
15 pages of virtual memory were used to define 14 macros.

! Macro library statistics !

Macro Library name

\$255\$DUA28:[MP.OBJ]MP.MLB;1 \$255\$DUA28:[SYS.OBJ]LIB.MLB;1 \$255\$DUA28:[SYSLIB]STARLET.MLB;2 TOTALS (all libraries) Macros defined

263

257 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:MPDAT/OBJ=OBJ\$:MPDAT MSRC\$:MPPREFIX/UPDATE=(ENH\$:MPPREFIX)+MSRC\$:MPDAT/UPDATE=(ENH\$:MPDAT)+EXECML\$/LIB+LIB\$:MP.MLB/LI

0248 AH-BT13A-SE

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